

Aniruddha Kundu

List of Publications by Year in descending order

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26
papers

1,561
citations

430754

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552653

26
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26
all docs

26
docs citations

26
times ranked

2771
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Hollow MOF-Derived Bamboo-like N-doped Carbon Nanotube-Encapsulated Co _{0.25} Ni _{0.75} Alloy: An Efficient Bifunctional Oxygen Electrocatalyst for Zinc-Air Battery. ACS Applied Materials & Interfaces, 2021, 13, 30486-30496.	4.0	66
2	Advanced Oxygen Electrocatalyst for Air-Breathing Electrode in Zn-Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 40172-40199.	4.0	92
3	Multicolor emissive carbon dot with solvatochromic behavior across the entire visible spectrum. Carbon, 2020, 156, 110-118.	5.4	64
4	Construction of FeCo ₂ O ₄ @N-Doped Carbon Dots Nanoflowers as Binder Free Electrode for Reduction and Oxidation of Water. Materials, 2020, 13, 3119.	1.3	18
5	Carbon Dots Integrated NiCo ₂ O ₄ Hierarchical Nanoneedle Arrays Supported on Ni Foam as Efficient and Stable Electrode for Hydrogen and Oxygen Evolution Reactions. Electroanalysis, 2020, 32, 2090-2100.	1.5	10
6	Environmentally benign and cost-effective synthesis of water soluble red light emissive gold nanoclusters: selective and ultra-sensitive detection of mercuric ions. New Journal of Chemistry, 2019, 43, 900-906.	1.4	13
7	Conceptual design of three-dimensional CoN/Ni ₃ N-coupled nanograsses integrated on N-doped carbon to serve as efficient and robust water splitting electrocatalysts. Journal of Materials Chemistry A, 2018, 6, 4466-4476.	5.2	143
8	Stacked Porous Iron-Doped Nickel Cobalt Phosphide Nanoparticle: An Efficient and Stable Water Splitting Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 6146-6156.	3.2	113
9	Cobalt carbonate hydroxides as advanced battery-type materials for supercapacitors: Influence of morphology on performance. Electrochimica Acta, 2018, 259, 1037-1044.	2.6	70
10	Binder-free cobalt phosphate one-dimensional nanograsses as ultrahigh-performance cathode material for hybrid supercapacitor applications. Journal of Power Sources, 2018, 373, 211-219.	4.0	127
11	Facile approach to synthesize highly fluorescent multicolor emissive carbon dots via surface functionalization for cellular imaging. Journal of Colloid and Interface Science, 2018, 513, 505-514.	5.0	62
12	Controllable sulfuration engineered NiO nanosheets with enhanced capacitance for high rate supercapacitors. Journal of Materials Chemistry A, 2017, 5, 4543-4549.	5.2	105
13	3D yolk-shell NiGa ₂ S ₄ microspheres confined with nanosheets for high performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 6292-6298.	5.2	52
14	Carbon Dot Assisted Synthesis of Nanostructured Polyaniline for Dye Sensitized Solar Cells. Energy & Fuels, 2017, 31, 7364-7371.	2.5	18
15	Honeycomb-Like Interconnected Network of Nickel Phosphide Heteronanoparticles with Superior Electrochemical Performance for Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 21829-21838.	4.0	123
16	Nucleic acid based polymer and nanoparticle conjugates: Synthesis, properties and applications. Progress in Materials Science, 2017, 88, 136-185.	16.0	24
17	Facile Synthesis of Water Soluble, Fluorescent DNA-Polymer Conjugate via Enzymatic Polymerization for Cell Imaging. Journal of Nanoscience and Nanotechnology, 2017, 17, 5168-5174.	0.9	3
18	Preferential Delivery of Anticancer Drug to Nucleic Acids Using Polymer Functionalized Graphene Oxide as Nanocarrier. Journal of Nanoscience and Nanotechnology, 2016, 16, 7363-7372.	0.9	4

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19	Facile and green approach to prepare fluorescent carbon dots: Emergent nanomaterial for cell imaging and detection of vitamin B2. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 276-283.	5.0	68
20	Fluorescent Graphene Oxide via Polymer Grafting: An Efficient Nanocarrier for Both Hydrophilic and Hydrophobic Drugs. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3512-3523.	4.0	81
21	Nanojacketing and Dejacketing of ds-DNA: A Nondestructive Characterization of a Nanojacketed Sample by Impedance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2649-2661.	1.2	2
22	Fluorescence Resonance Energy Transfer from Sulfonated Graphene to Riboflavin: A Simple Way to Detect Vitamin B ₂ . <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7392-7399.	4.0	48
23	High-Performance Nanocomposites of Sodium Carboxymethylcellulose and Graphene Oxide. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 1166-1175.	1.7	53
24	Nondestructive Characterization of Li ⁺ Ion-Doped Multifunctional Poly(vinylidene fluoride) (fluoride Chemistry B, 2013, 117, 1458-1466.	1.2	4
25	Highly Fluorescent Graphene Oxide-Poly(vinyl alcohol) Hybrid: An Effective Material for Specific Au ³⁺ Ion Sensors. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5576-5582.	4.0	136
26	Enhanced fluorescent intensity of graphene oxide-methyl cellulose hybrid in acidic medium: Sensing of nitro-aromatics. <i>Journal of Materials Chemistry</i> , 2012, 22, 8139.	6.7	62